

General Description

REAR SUSPENSION

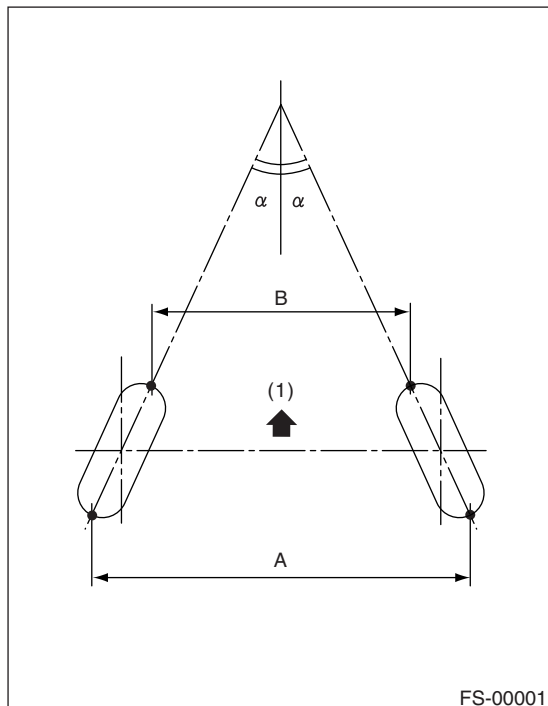
1. General Description

A: SPECIFICATION

Wheel arch height [Tolerance: +12 mm -24 mm (+0.47 in -0.94 in)]	mm (in)	439 (17.3)
Camber [Tolerance: $\pm 0^{\circ}45'$ Difference between RH and LH 45' or less]		$-0^{\circ}31'$
Toe-in	mm (in)	2 ± 2 (0.08 \pm 0.08) Toe angle (sum of both wheels): $0^{\circ}9' \pm 0^{\circ}9'$
Thrust angle [Tolerance: $\pm 0^{\circ}30'$]		0°
Diameter of stabilizer	mm (in)	16 (0.63)

NOTE:

- Front and rear toe-in and front camber can be adjusted. Adjust if the toe-in or camber tolerance exceeds specifications.
- Other items indicated in the specifications table cannot be adjusted. If other items exceed specifications, check the suspension parts and connections for deformation, and replace with new ones as required.

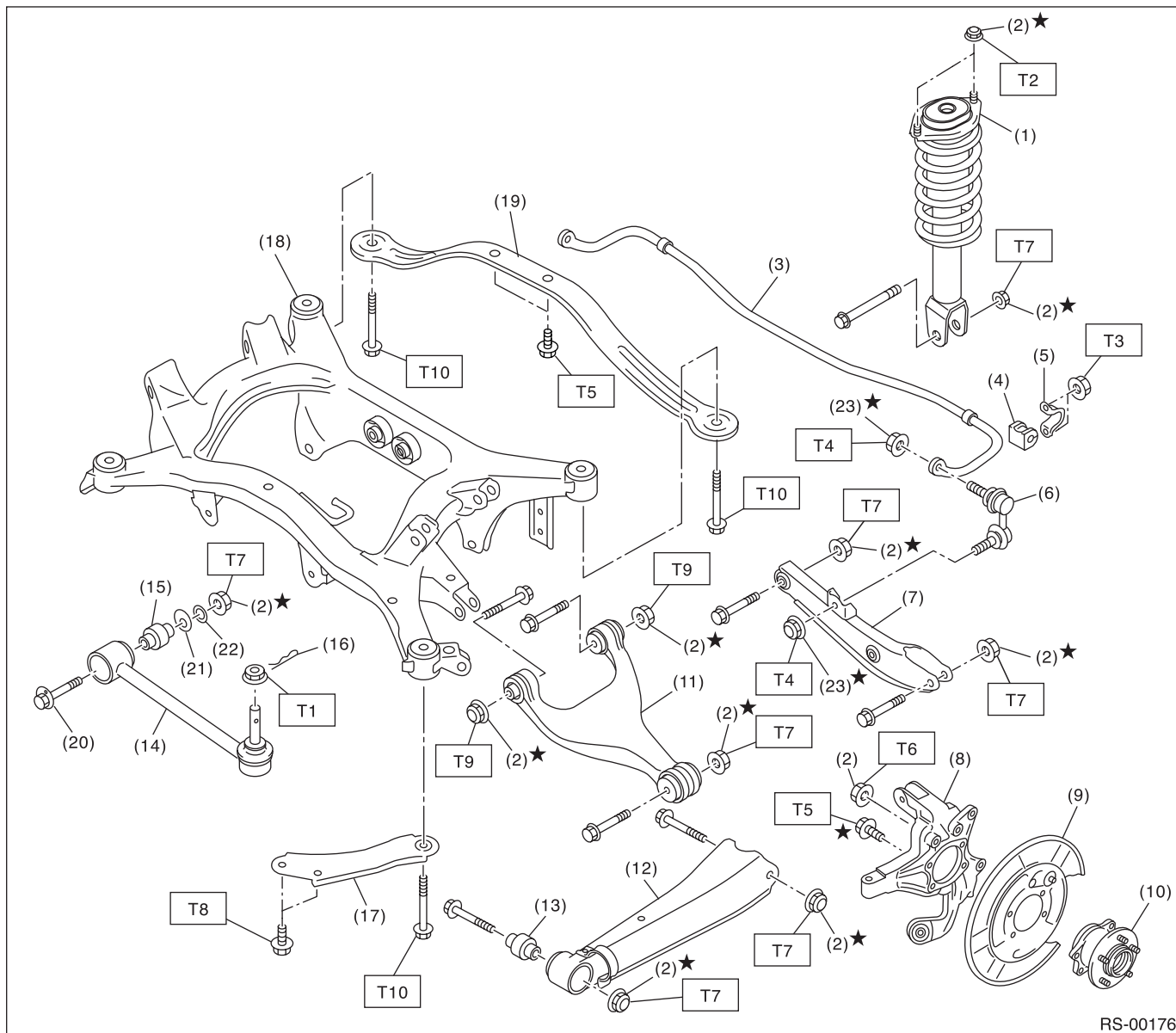


(1) Front

A – B = Positive: Toe-in, Negative: Toe-out

α = Individual toe angles

1. REAR SUSPENSION



- | | |
|------------------------|------------------------------------|
| (1) Shock absorber | (13) Trailing link bushing |
| (2) Self-locking nut | (14) Front lateral link |
| (3) Rear Stabilizer | (15) Front lateral link bushing |
| (4) Stabilizer bushing | (16) Snap pin |
| (5) Stabilizer clamp | (17) Front sub frame support plate |
| (6) Stabilizer link | (18) Rear sub frame |
| (7) Rear lateral link | (19) Rear sub frame support plate |
| (8) Rear housing | (20) Adjusting bolt |
| (9) Back plate | (21) Adjusting washer |
| (10) Hub unit bearing | (22) Washer |
| (11) Upper arm | (23) Flange nut (WAX) |
| (12) Trailing link | |

Tightening torque: N·m (kgf-m, ft-lb)

T1: 27 (2.8, 19.9)

T2: 30 (3.1, 22.4)

T3: 35 (3.6, 25.8)

T4: 60 (6.1, 44)

T5: 65 (6.6, 48)

T6: 75 (7.6, 89)

T7: 120 (12.2, 89)

T8: 125 (12.7, 92)

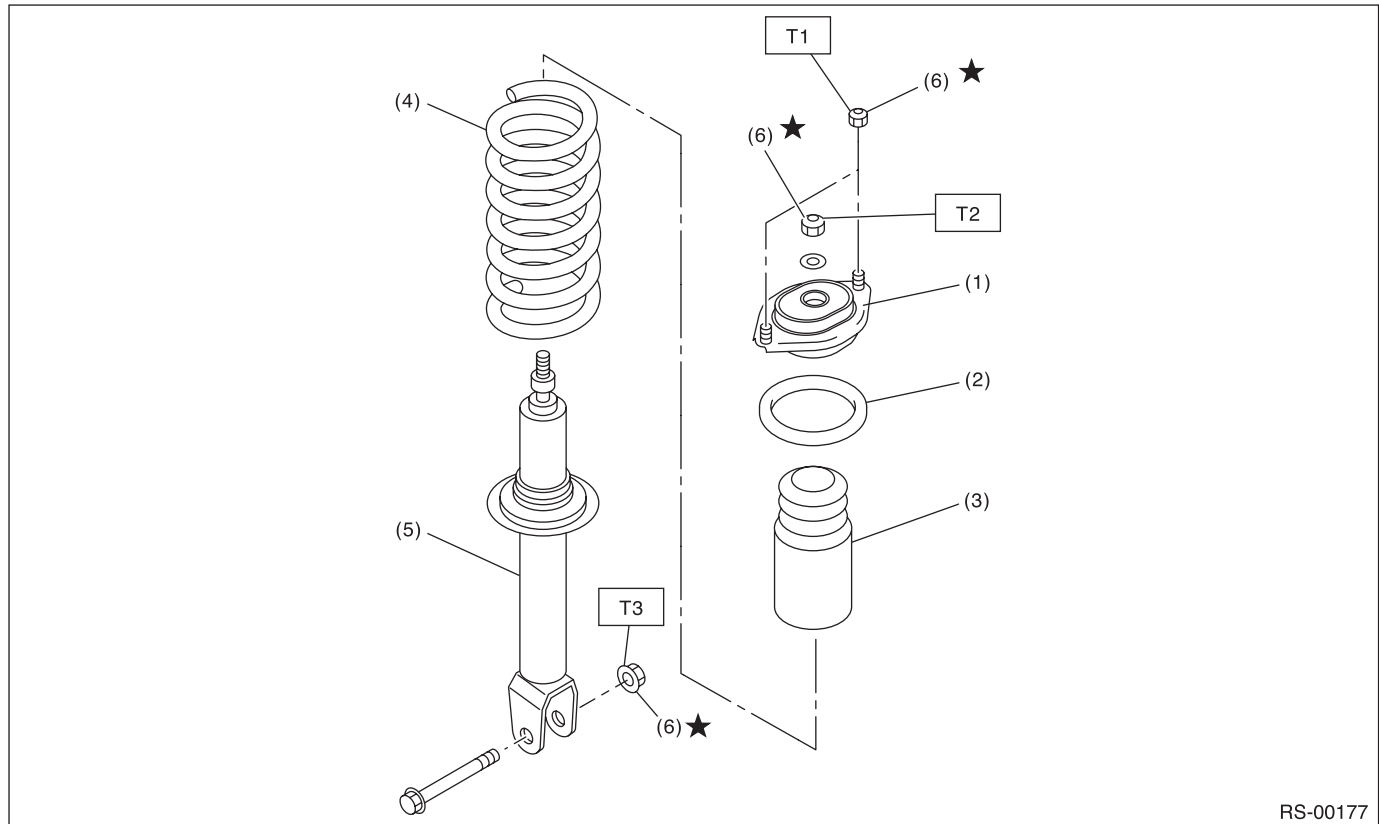
T9: 150 (15.3, 111)

T10: 200 (20.4, 148)

General Description

REAR SUSPENSION

2. SHOCK ABSORBER



- | | |
|------------------------|----------------------|
| (1) Mount | (5) Shock absorber |
| (2) Upper rubber sheet | (6) Self-locking nut |
| (3) Dust cover | |
| (4) Coil spring | |

Tightening torque: N·m (kgf-m, ft-lb)

T1: 30 (3.1, 22.4)

T2: 35 (3.6, 26)

T3: 120 (12.2, 89)

C: CAUTION

Please understand and adhere to the following general precautions. They must be strictly followed to avoid any injury to the person performing the work or persons in the area.

1. OPERATION

- Wear work clothing, including a cap, protective goggles and protective shoes during operation.
- Before disposing of shock absorbers, be sure to bleed the gas out completely. Also, do not expose to flames or fire.
- Before removal, installation or disassembly, be sure to clarify the failure. Avoid unnecessary removal, installation, disassembly and replacement.
- Use SUBARU genuine grease etc. or equivalent. Do not mix grease etc. with that of another grade or from other manufacturers.
- Before securing a part on a vise, place cushioning material such as wood blocks, aluminum plate, or cloth between the part and the vise.
- Be sure to tighten fasteners including bolts and nuts to the specified torque.
- Place shop jacks or rigid racks at the specified points.

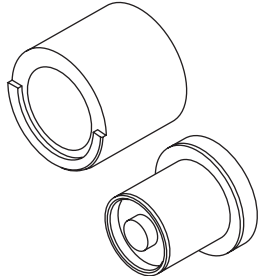
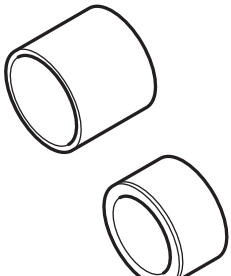
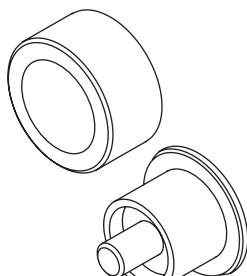
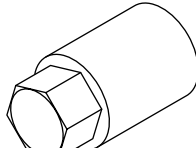
2. OIL

When handling oil, follow the rules below to prevent unexpected accidents.

- Prepare container and waste cloths when performing work which oil could possibly spill. If oil spills, wipe it off immediately to prevent from penetrating into floor or flowing outside, for environmental protection.
- Follow all government regulations concerning disposal of refuse when disposing.

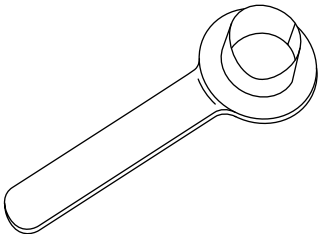
D: PREPARATION TOOL

1. SPECIAL TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p>ST20099AE000</p>	20099AE000	INSTALLER & REMOVER	Used for replacing the front lateral link bushing.
 <p>ST20099PA010</p>	20099PA010	INSTALLER & REMOVER	Used for replacing the rear trailing link bushing.
 <p>ST20099AE040</p>	20099AE040	INSTALLER & REMOVER SET	Used for replacing the rear trailing link bushing.
 <p>ST20399AG000</p>	20399AG000	STRUT MOUNT SOCKET	Used for removing and installing shock mount.

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ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p style="text-align: center;">ST28099PA090</p>	28099PA090	OIL SEAL PROTECTOR	<ul style="list-style-type: none"> • Used for installing the rear drive shaft to the rear differential. • For oil seal protection

2. GENERAL TOOL

TOOL NAME	REMARKS
Alignment tester	Used for measuring wheel alignment.
Toe-in gauge	Used for toe-in measurement.
Jack	Used for removing and installing suspension.
Bearing puller	Used for removing bushings.
Coil spring compressor	Used for disassembling and assembling shock absorber.